

PROGRAMMING CARD

Barcode: 189875

SKU: 9171001376-0



Programming card works with variety of products via wireless or wired connections.

Programming Card has an integrated RF module that allows to set up many receivers wirelessly (see table further below).

Programming card makes easier to do settings for receivers.

It is especially useful for changing settings and tuning flight stabilizers in the field.

Programming Card can be used for firmware upgrade of receivers and flight stabilizers.

Programming card can be powered from:

- USB
- 1.3X3.4MM barrel power connector (up to 16.8V DC or 4 cell LiPo)

Power consumption:

- USB- 80mA max
- External power source - 50mA max at 12.6VDC

Dimensions: 63mm x 83mm x 15mm

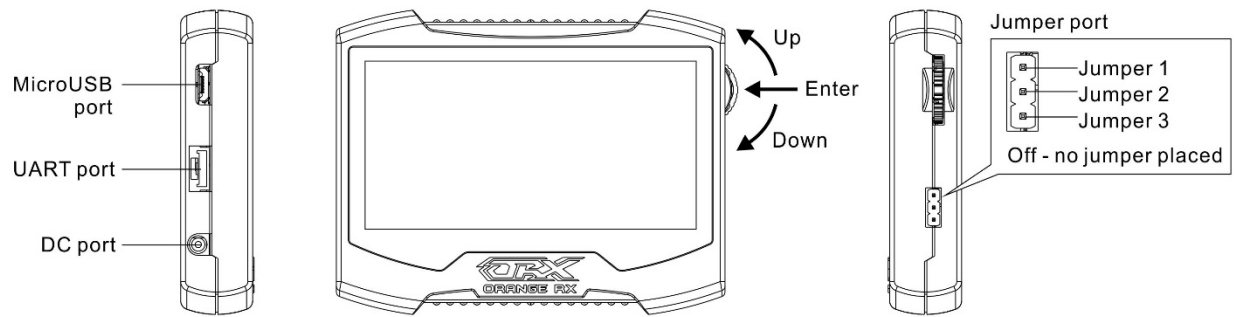
Weight: 67 g

Display

LCD 3", 128x64 pixels

Controls.

Navigation slider with button



List of receivers and stabilizers working with Programming Card:

	Firmware update	Wired	Wireless
AFHDS 2A long range receiver (P274, 2019 new model)	Yes	Yes	No
AFHDS 2A Mini (P275, 2019 new model)	Yes	Yes	No
RTH flight stabilizer (P315, 2019 new model)	Yes	Yes	Yes
All V3 and up PWM receivers (R620X...R1220X)	Yes	no	Yes
AIO stabilizer 2 servo (P311, 2019 new model)	Yes	no	Yes
AIO stabilizer 4 servo (P322, 2019 new model)	Yes	Yes	Yes
ORX serial receiver (#189868 Orange RR12RDTs receiver)	Yes	no	Yes

The card can act in following modes:

- as a stand-alone configurator with wireless or wired connection
 - RTH flight stabilizer (P315, 2019 new model) -wireless only
 - V3 ORX PWM receivers (R620X-R1220X) -wireless only
 - AIO Stabilizer 2 Servo (P311, 2019 new model) -wireless only
 - AIO Stabilizer 4 servo (P322, 2019 new model) -wireless only
 - ORX Serial Receiver (#189868 Orange RR12RDTs receiver) –wireless, bridge to PC
 - AFHDS 2A long range receiver (P274, 2019 new model) – wired only, bridge to PC
 - AFHDS 2A Mini (P275, 2019 new model) – wired only, bridge to PC
- as a bridge between target and PC for configuration from PC (using PC configurator)
- as a bridge for targets' **firmware update** from PC – all devices mentioned above

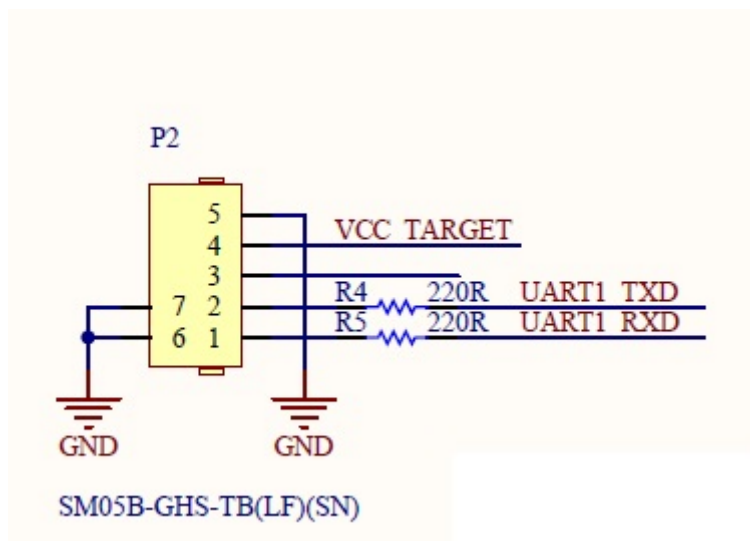
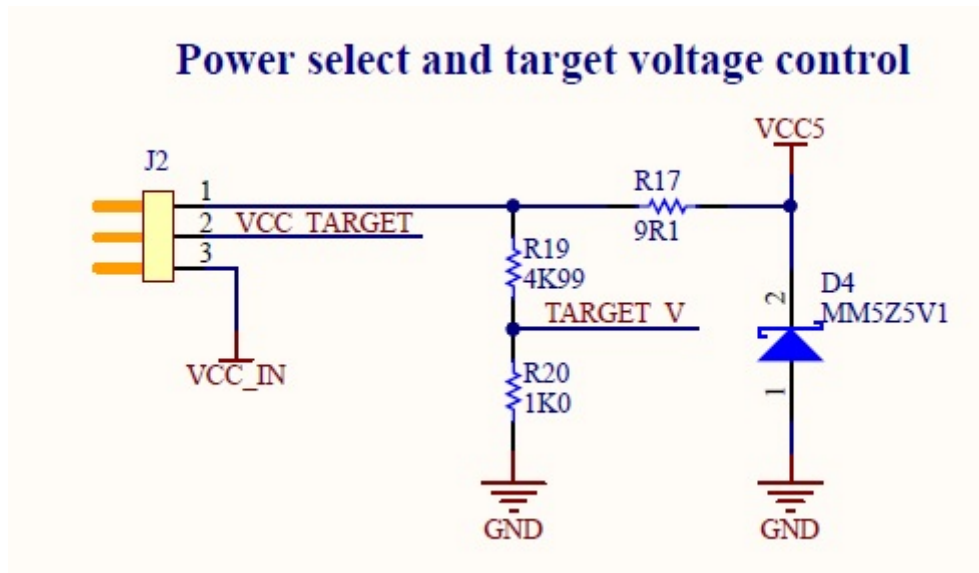
Programming Card, being connected wired or wirelessly, can control outputs of the receivers. In this mode user can set values on the each servo output. This is particularly useful for mechanical setup of planes. Also, these servo values can be stored as Fail Safe settings.

Programming card can control different settings on receivers and flight controllers:

- Telemetry type: None, Analog, MSP, etc., depending on the receiver.
- Binding settings: auto-bind with several different time outs, manual bind
- Fail safe settings: predefined, all centers, no signal etc.
- Serial output selection of receivers – s.Bus, is.Bus, cPPM, iBus, xBus etc.
- PID-s, flight modes, channel assignment, ARM-ing settings and much more for flight controls (see instruction manual for details)

Jumper port function

Power jumper covers various situations of power source for target(receivers) and Programming card when target is connected via UART port of Programming card.



Jumper 1-2

When pins 1-2 are shortened by jumper, VCC target line of P2 (UART connector, pin 4) is connected to VCC 5 volt regulator of the Program Card.

In this position:

- Programming card can be powered by external device (receiver connected via UART connector) if target is powered externally and provides power to the UART connector pin 4. Please make sure that the voltage provided is not more than 5VDC.

in this case programming card should NOT be powered via USB or external power connector.

- Target can be powered via Program card UART connector.

If Programming Card is powered via power connector (7.5~18.0 VDC) then program card will provide 5V DC on UART connector Pin 4 with jumper in position 1-2.

In this case please make sure that target is not connected to any external power source (ESC or BEC)

Jumper 2-3

In this position VCC_IN power applied to the power connector of the Programming Card is directly connected to UART Pin4 of the programming Card. Be careful using this option because if you power Programming card with 18V DC the same voltage will be on the Pin 4 of the UART connector.

Jumper OFF

When jumper is removed, Pin 4 of UART port is not connected to any power source of programming card.